

From qrp-1@lehigh.edu Thu Oct 26 14:42:00 1995
From: RHILT0@acxiom.com
Subject: [4772] 4 Sale: Argosy II
Message-ID: <eae55170@acxiom.com>

Since my new QRP+ is due in shortly and the Treasury Secretary has a low tolerance for spare rigs, I need to sell my Ten Tec Argosy II.

Brief list of features (I can get more detailed for anyone who wants to know more): 80 - 10 meters, 5 or 50w out, digital readout (model 525-D), no modifications, with crystal filter and original instruction manual, purchased from Ten Tec in Nov 93 and used lightly since then, excellent condition, &c &c.

This great QRP radio can be yours for \$460 (shipping paid to US only).

Please help me! She Who Must Be Obeyed won't be patient forever!

7.3
Bob ki5ez

From qrp-1@lehigh.edu Thu Oct 26 14:42:00 1995
From: teda@lexis-nexis.com (Ted Albert)
Subject: [4756] 79er Sprint
Message-ID: <199510252158.RAA23218@rain.lexis-nexis.com>

80 meters is getting better all the time, and with Fall in full swing now, it is time to start thinking about the Colorburst Sprint this winter. Last year I homebrewed a transmitter and used a portable shortwave receiver. This year I am building another crystal controlled transmitter and using a homebrew regenerative receiver to make things more interesting. :-)

Announcing the :

QRP-NE (QRP Club of New England)

79er SPRINT

When: Each Thursday evening during February and March, 1996

Modes: CW - Crystal and VFO Control

Freq: ~ 3.579 MHz

Power Level - 5 Watts or less output power

Time: 9:00 - 10:00 p.m. EDT (0200-0300 UTC)

To Call CQ - See below

Exchange - RST QTH NE#X NAME; ie.....579 MA NE46X Harry

Members use QRP-NE number; NE46 and Add X if XTAL control; NE46X

Non-members use Power Level; 4W and Add X if XTAL control; 4WX

QSOs are cumulative: Work the same station on subsequent Thursdays.

The 79er transmitter was NE-QRP's first club project. It uses a 3579.545 kHz crystal to set the frequency. These crystals are used in the color-burst oscillator of all color TV sets in the United States and Canada, and in other devices as well.

The 79er event is an on-the-air get-together, not a contest. Last year, everyone used a mixture of homebrew transmitters with colorburst crystals and commercial QRP rigs. This year, we will welcome all QRP stations to the event. Everyone works everyone this year. Crystal-controlled stations append the letter "X" to their calls, such as "KF8EE/X." Yes, it's legal. We hope this event will stimulate everyone to build a crystal-controlled transmitter to use during the event!

Send Logs to: Ted Albert, KF8EE
1924 Timberidge Drive
Loveland, OH 45140

(or)

e-mail Logs to: teda@lexis-nexis.com

Logs need to be received by April 30, 1996. Results will be published in "72".

State Output Power Level, Type of Rig, and Antenna Type on logs. Include comments on the event or how you built your crystal-controlled transmitter for inclusion in the report in "72".

Watch out: W1AW transmits bulletins at 10:00 pm. on 3.581 MHz

Transmitter Reference articles:

In case you were wondering, "79er" comes from 3.579 MHz

Articles abound on building a simple crystal controlled transmitter for 80 meters. Try the "Universal QRP Transmitter", page 26 of "Solid State Design " (ARRL), or "The Oner" (Sprat), or "The Cubic Incher" (ARRL), or "The 79er"/"Colorburst Special" (QRP-NE).

From qrp-1@lehigh.edu Thu Oct 26 14:42:00 1995
From: Raymond.Anderson@Eng.Sun.COM (Ray Anderson)
Subject: [4758] CCW ftp site ??
Message-ID: <9510252300.AA09961@radium.Eng.Sun.COM>

Some time ago someone posted a message about an ftp site that had a bunch of articles on CCW (coherent CW) archived. I thought I had saved the message, but apparently not as I can't find it now.

Does anyone remember the site address or have a copy of the message?

Thanks!

72 de WB6TPU

-Ray

From qrp-1@lehigh.edu Thu Oct 26 14:42:00 1995
From: Charles Cashion <ccashion@spdmail.spd.dsccc.com>
Subject: [4761] ccw library
Message-ID: <199510260125.AA25965@aplo1.spd.dsccc.com>

I just happened to save the name/address/call of the person that posted the note regarding ccw. I wish I could tell you the URL, but it would seem that I did not note that.

The date was 26 sep 95. The person was McClun, John F. N3REY
his address is jfm001@dental3.ab.umd.edu

Sincerely,
Charles Cashion ex-W5ISZ

obQRP: My code speed is absolutely stuck on 12wpm. My ExplorerII is on order and the "check is in the mail" (remind me sometime to tell you the one about "the czech is in the male"). My Ramsey 30m DC rcvr is finished and serving as a (light) paper weight (yuch!).

P.S. do *NOT* split qrp-l

From qrp-l@lehigh.edu Thu Oct 26 14:42:00 1995
From: RobCap@aol.com
Subject: [4773] Forwarded Message from 624 Kits
Message-ID: <951026092507_90074343@mail04.mail.aol.com>

624 kits has asked me to forward this message to the QRP-L:

624 Kits has an excess inventory of 20 Meter Gary Breed Tranceiver QRP Kits. These normally sell for \$153.50. (The kit includes silk-screened boards, on-board components, wiring, jacks, all panel components, illuminated S-meter, and punched and screened enclosure.)

I am willing to sell several lots of ten(10) kits for \$1050 plus actual postage costs. These may be of interest to clubs or groups.

If there is any interest, please let me know directly via E-mail at:
PBUNN624@AOL.com

From qrp-l@lehigh.edu Thu Oct 26 14:42:00 1995
From: "evans ken" <evans.ken@wgs-2.bwi.bls.com>
Subject: [4747] FOX
Message-ID: <n1397485075.74325@wgs-2.bwi.bls.com>

As per my previous E-Mail, I will be on tonight as the Fox. I must warn you that Murphy was at work as I had a great deal of difficulty on Monday night with some locally generated noise. It was S-9 on forty. To make a long story short, I'm resonably sure I found the source in the neighborhood. All was OK last night. I'll be there on schedule. If I seem deaf, you'll know the culprit returned. I'll be out of town tomorrow, so will not be able to post results until Friday.

72/3 & good hunting,
Ken KJ4XR

From qrp-1@lehigh.edu Thu Oct 26 14:42:00 1995
From: V\$BCIESLAK@china.qgraph.com
Subject: [4776] FOX
Message-ID: <01HWW2R34W6Q00VM6Y@hub.qgraph.com>

No Foxes heard in S.E. Wisconsin last night :-(Just lots of noise...
I guess the DSP can't filter'em if it can't hear'em.

Brian AE9K

From qrp-1@lehigh.edu Thu Oct 26 14:42:00 1995
From: "Doyle, Ron" <doyler@uh2297p01.daytonoh.attgis.com>
Subject: [4767] FOX Hunt and other Gems in the midst of all this stuff
Message-ID: <308F77CC@sdwinb.daytonoh.attgis.com>

I am going to put in my .02mw worth in on the subject of all the different subjects on this list.

I once hunted for diamonds Arkansas. I was directed to a large field with no trees and lots of dirt. It was very hot and very dry. I didn't want to look through all the dirt but if I was going to find a diamond I had too. If I skipped any spot I took a chance on missing a real gem.

This list is like the diamond mind. There is a lot of stuff that I may not want to read through but I take a chance on missing that 1 tidbit of info that makes it all worth while.

Several days ago Bill, KD7S mentioned using a dead mouse (computer mouse, not the real thing) as a two-finger paddle. I had been dreaming of building a paddle and read with some interest about the cheap paddles for \$10. Then this gem of a tidbit comes along. To some it was probably of little to no use but to me it was that priceless gem. I had access to non-working or useless mice. I picked a 'bus' mouse that had a card which had to be plugged into an expansion slot of a PC. To my delight I found 3 wires that were connected to the switches and all I had to do was put a connector on it. It works great on my TNC and I can use it with my left hand and write with my right hand.

Unfortunately it makes my qrp+ send di dah's continuously. Now to find a plug that fits it right.

My vote - Don't change the list. I will accept the burden of all the stuff that might not be of interest to find that one gem.

And as to the FOX last night. Bummer, I struck out again. Propagation in Dayton is lousy right now. :(I will be there next time ready to find that elusive fox or listen to noise, whichever comes.

72 , 73 to all.

Ron Doyle, N8VAR
AT&T GIS - Dayton
Work (513) 445-3179
Home (513) 237-0790
<Ronald.Doyle@DaytonOH.ATTGIS.COM>

Practice Random Kindness and Senseless Acts of Beauty

From qrp-1@lehigh.edu Thu Oct 26 14:42:00 1995
From: Conard Murray <cfm@tntech.edu>
Subject: [4775] Glowbugs List ready to go
Message-ID: <01HWW21MQ4V6HSJ5TX@tntech.edu>

-- [From: Conard Murray * EMC.Ver #2.5.02] --

Hello all,

I have volunteered to take the glowbug list, so lets get this thing rolling! I am new to this list administration stuff, so take it easy on me at first! This is supposed to be sort of a intersection of both the qrp-1 and boatanchors groups. What I would like to see is a group dedicated to building with firebottles..not necessarily qrp or qro, just tubes. Stories, tips, pointers, circuits, parts wanted/for sale and project progress reports and reviews are encouraged.

So, get to it....let's see some good stuff... we have the Hartley Rallye coming up as soon as a date is set.

72/73 all, de Conard WS4S
cfm@tntech.edu
ws4s@midtenn.net

From qrp-1@lehigh.edu Thu Oct 26 14:42:00 1995
From: Nick Franco <nickf@bnl.gov>
Subject: [4738] INTF and Bug Phew!
Message-ID: <01BAA2D1.6B6118E0@nickf.rhic.bnl.gov>

Sorry for the weird subject...but I'm a weird guy.

I never heard the Fox on Monday nite. I did hear Steve AB4EL work the =
fox (I think it was the fox). Sigs were really in the mud here on Long =
Island and have been for several evenings. I'll try again tonight when =
I get home from a meeting about 9:30 PM.

I've been using my ICOM at 3-4 watts because of the better receiver.

Next part of the subject is about a Vibroplex Bug I came up with. I =
never used a bug before and man was it tough to get used to. I guess I =
would need a lot of practice to really get the hang of it. I did make =
two QSO's using it. I feel sorry for the first guy I tried it on (hi =
hi). After some adjustments and more practice on a code oscillator, I =
called CQ on 80 meters at 5 watts. I had a great QSO with a guy from =
CT. I started to panic and switch over to my paddles and keyer in the =
middle to send some specific info he requested more legibly. Then I =
switched back to the bug to wind up. Any suggestions?
Other than throw it away and stick to paddles. I thought it might be =
good for QRP work since it doesn't require any power or electronics to =
use.

Hope to catch you all tonight on 40 (no bug, I promise).

72

Nick

.....
Nicholas J. Franco Systems/Network Support
RHIC Project Building 1005, UPTON, N.Y. 11973-5000
tel: (516) 282-5467 fax: (516) 282-3674
Ham Call: KF2PH QRP-NE # 349

From qrp-l@lehigh.edu Thu Oct 26 14:42:00 1995
From: richards@nylink.org
Subject: [4757] List splits and such
Message-ID: <9510252241.AA18007@genesis.nylink.org>

Hi Folks,
I cut this out of the QRP-L Welcome and Operating Instructions

message I received when I subscribed to QRP-L a few months ago. I hope I didn't violate too many copyright laws by including this. I'm not sure who the original author is, probably Chuck, K5F0.

All included text is unedited and exactly as received save for a few added carriage returns. Full text should be available in QRP-L/Welcome.TXT (this may be a FAQ file now). What follows is Section 1 in its entirety.

-----begin excerpted text-----

1. INTRODUCTION

The QRP mailing list is open for discussion of any subjects relating to low-power amateur radio operation. Example topics: portable operation, equipment design and construction, solar and battery power, QRPp, contesting, kit building,

-----end excerpted text-----

72 de Rick WZ2T Franklin County NNY
ARRL, ARCI, NORCAL, and (soon to be) NE-QRP

From qrp-l@lehigh.edu Thu Oct 26 14:42:00 1995
From: Paul Harden <pharden@aoc.nrao.edu>
Subject: [4739] NA5N Fox rpt (revised)
Message-ID: <199510251555.JAA04147@zia.aoc.nrao.edu>

Here is the official FOX report from Oct. 23, REVISED as follows:

1. Added KB0LMQ MYRON CO (just flat skipped a line keying it in)
2. AB5DG should be AB6DG (typo)
3. AA1IK in NH not CA (He sent CAanan, NH - I got the CA part real good!)

7110 KHz (0000-0120 UTC)

W00Q MARTY CO
WA6MOK JAY CO
WW7Y STEVE UT
KA5T LARRY TX
W3PM GENE AL
WA9PWP PAUL WIS
WA7FCU BOB UT
K5UP GLEN OK
AB7JX RUSS AZ
AA1IK ERNIE NH
K5ERJ ED KS

7045 KHz (0120-0200 UTC)

AB6DG JOHN CA
AA0XZ GREG MO
WA5WHN JAY NM
KK5OX DAVE TX
AB7HI STEVE WA
KC4EWT DAN VA
VE5VA PETE SK
AB4EL STEVE NC
NZ4I RANSON VA
N6ULU STAN CA
N2MNN STEVE NJ

NF0R	DAVE	MO	NQ7K	MIKE	AZ
AB5TZ	AL	TX	KC1FB	JIM	CT
AE9K	BRIAN	WI	K2NF	NORM	FL
KK5NA	JOE	TX	KC5EQC	DON	OK
AB5OU	TIM	NM			
KC2DU	JOHN	NY			
AB5QE	KEITH	NM			
VA3TAR	TED	ONT			
K2NF	NORM	FL			
KB0LMQ	MYRON	CO			

TOTAL	7110		21	TOTAL	7045
					
					15
TOTAL QSO'S = 36					

Revisions have been sent to Chuck K5F0.
 CU again Jan. 15, if not tonite.
 72, Paul NA5N

From qrp-1@lehigh.edu Thu Oct 26 14:42:00 1995
 From: burdick@interval.com (Wayne Burdick)
 Subject: [4742] new Sierra adds adjustable-bandwidth xtal filter
 Message-ID: <v02130517acb430fb496a@[199.170.106.28]>

Hi gang,

Wanted to let you know that the new Sierra **will** include all the components needed to adjust the bandwidth of the crystal filter. (Wilderness Radio is tentatively calling this feature "ABX.") Bandwidth can be varied from approximately 100Hz to 2kHz. The parts will be on the main board, and there is **no** change in the price of the rig.

Having ABX in the rig lets you narrow the filter when QRP gets rough. This is especially important when listening to weak signals (like other QRP stations!). You'll get a marked improvement in adjacent-signal rejection and signal-to-noise ratio.

Another frequently overlooked advantage of ABX is that you can **widen** the filter above its nominal 400Hz pass band. Why? Because there are times when you get tired of listening to the drone of narrowly-filtered CW. Widening the filter is like a breath of fresh air. And if the band is quiet, you'll actually have a better chance of hearing slow stations when tuning around with a wider bandwidth. Finally, the wider bandwidth can be

used to listen to SSB stations if you adjust the BFO control to a higher offset pitch.

The builder can either use the on-board trimmer potentiometer to set the filter bandwidth, or remove the trimmer and run three wires to a panel-mounted control of the builder's choice. Total additional receive-mode current drain due to the use of ABX is less than one milliamp.

The technique I'm using is similar to Ten-Tec's VBT, but uses far fewer parts. It has a few limitations:

1. At high and low settings of the ABX control, the filter pass-band is somewhat asymmetrical. The degree of asymmetry will vary with how well the varactor diodes and crystals are matched.
2. It does not shift receiver signal frequencies to compensate for the shift in the filter's center frequency that occurs as the control is varied.
3. At the narrowest bandwidths, there is some loss in signal strength, typically 1 to 4 dB.

Let me know if you have any questions about this or other aspects of the new Sierra design.

73,
Wayne
N6KR

From qrp-1@lehigh.edu Thu Oct 26 14:42:00 1995
From: rossi@VFL.Paramax.COM (Pete Rossi)
Subject: [4777] No FOX in PA
Message-ID: <9510261422.AA16896@gvlf6-a>

No trace of the FOX last night in SE PA. Heard lots of CQs and QRLs? on or near 7040 but no FOX... or anyone calling the FOX.

Pete Rossi - WA3NNA
rossi@vfl.paramax.com
Loral Defense Systems-Eagan (formerly Unisys Government Systems Group)

Valley Forge Engineering Center - Paoli, Pennsylvania

From qrp-1@lehigh.edu Thu Oct 26 14:42:00 1995
From: Jeffrey Hetherington <jhetheri@freenet.npiec.on.ca>
Subject: [4764] NorCal Certificate
Message-ID: <Pine.3.89.9510260540.A25807-01000000@freenet>

The NorCal membership certificate I ordered arrived today. Let me say that I am really impressed, it looks even better than it did in QRPP. I would like to thank Jeff for a job well done, and would add that anybody considering picking up a NorCal certificate do so, because they are really sharp. And all this for only \$2.50! I now hangs prominently over my HW-8.

73 & thanx again Jeff.

de Jeff - VA3JFF

=====
L. JEFFREY HETHERINGTON
Niagara Falls, Ontario, Canada
E-Mail : jhetheri@freenet.npiec.on.ca

From qrp-1@lehigh.edu Thu Oct 26 14:42:00 1995
From: Allen Jones <ajones@adsnet.com>
Subject: [4778] NW8020
Message-ID: <199510261436.JAA00826@alice.adsnet.com>

Anyone know the status of the NW8020 project? There was a post to the list a few months back that indicated it might be resurrected. Did FAR circuits do the original board for Dan's? I need a winter project! :-)

72/3 de Allen, K9DZE

=====
Allen Jones K9DZE ajones@adsnet.com
Michigan City, Indiana EN61nq
ARCI #8797 G-QRP #8812 NorCal #1061
SWOT #1368 SMIRK #5403
=====

From qrp-1@lehigh.edu Thu Oct 26 14:42:00 1995
From: Bill Acito 25-Oct-1995 1346 <acito@asdg.ENABLE.dec.com>
Subject: [4743] oooh... close
Message-ID: <9510251744.AA25767@us1rmc.bb.dec.com>

I know Field DAY is not truly a contest, but how 'bout that score
of QRP-NW over QRP-NE in 2A-Battery by 85 points. So close...

See you guys next year... :-)

b
(1995 40m Band Captain)

. - I own my own words -

Bill Acito
acito@asdg.enet.dec.com
|d|i|g|i|t|a|l| Digital Equipment Corporation Hudson, MA

KC1GS ... qrp-ne ... qrp-arci ... norcal ... arrl life ...

From qrp-1@lehigh.edu Thu Oct 26 14:42:00 1995
From: Mike.Czuhajewski@bbs.abs.net (Mike Czuhajewski)
Subject: [4759] QRP on satellites
Message-ID: <19950ct25.192954.27347@abs.net>

Someone recently asked about QRP on satellites. I don't know about the
"traditional" birds, but one of the Russian satellites, RS-12, operates
with a 21 MHz uplink and 29 MHz downlink--up on 15M and down on 10M.
You have to have at least an Advanced class license to use it due to
the location of the uplink frequency. Lots of people have operated
through it with QRP and simple antennas; I have something like 21
states on it with QRP (and haven't used it in some time). If
interested in reading about it, check out my articles in the
qrp-1/articles ftp area at lehigh.edu--there are two of them, with
filenames something like mcqsat or qrpsat; it was a two-parter
published in the QRP Quarterly a few years ago. I think I may have
also uploaded the K7YHA article on QRP satellite work, but can't
remember; it was in Worldradio, and we reprinted it in the QRP Quarterly

as well. 73 and Queue Our Pea DE WA8MCQ wa8mcq@bbs.abs.net

--

Mike Czuhajewski, user of the UniBoard System @ abs.net

E-Mail: Mike.Czuhajewski@bbs.abs.net

The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA

Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From qrp-l@lehigh.edu Thu Oct 26 14:42:00 1995

From: Greg Prior <73517.3652@compuserve.com>

Subject: [4746] QRP-L Digest available?

Message-ID: <951025165405_73517.3652_HHB31-1@CompuServe.COM>

Can anyone tell me if there is a digest of the QRP-L available? I just can't handle all of the individual emails.

Please send to my email address since I don't subscribe (yet).

Thanks, Greg AC6IY

73517.3652@compuserve.com

From qrp-l@lehigh.edu Thu Oct 26 14:42:00 1995

From: km@PACT.ORG.PE (Kris Merschrod)

Subject: [4760] Split the list???

Message-ID: <m0t8FuW-000AsbC@rcp.net.pe>

No-way, just edit the flow electronically so that it is like the Sunday paper, section by section.

obQRP

I'll be looking for the fox tonight with my new call sign.

Kris

OA4DB0 (was OA4\KA20IG and now I'll save 4 characters and be able to get the callsign in edgewise)

72

From qrp-l@lehigh.edu Thu Oct 26 14:42:00 1995

From: burdick@interval.com (Wayne Burdick)

Subject: [4752] Re: adjustable-bandwidth xtal filter (ABX)

Message-ID: <v0213051cacb45e26e5ec@[199.170.106.28]>

Rob,

>Will the lead lengths present a problem in a front-panel mounted [ABX
>control] situation?

No--any lead length is fine. The control voltage is bypassed at the filter.

>Will shielded wire/coax be necessary?

No.

>What value is the front panel pot?

Anything from 5K to 100K should work.

>Separately, I was wondering if the [Wilderness] Sierra
>would be the same as the Norcal version with respect to:

>

>

>1) Will you still provide pins on the board to hook up a speaker?

There will be two pads available that you can put a connector into if you want, or just connect wires directly.

>2) How's the S-meter circuitry hanging in (or not hanging in)?

It will either be included on the main board or will be located on a very small plug-in module.

>3) Will it still be easy to use a rear-mounted power control?

Yes--in fact the pot is better bypassed now so you can put it anywhere. However, there are two caveats with varying the drive level that apply to both the '40A and Sierra. (1) Decreasing the drive below a certain point (typically 0.5 watts) can result in higher harmonic content because the driver's bias point is no longer optimum. (2) Increasing the drive level beyond the recommended setting will result in inefficient PA operation and higher harmonic content. The recommended setting is that which results in a PA collector impedance of around 50 ohms (average over all bands used). The manual will explain how to obtain this setting.

Also, on the Sierra, setting the drive level control lower will increase the variation in power output from band to band because the driver gain falls off faster on the higher bands.

The bottom line: Any rig with 50 ohm in/out low-pass filters should be operated at about 2.0 watts output if the supply is 14V: $\text{Power} = V_{cc}^2 / (2 * 50 \text{ ohms}) = 196 / 100 = 1.96 \text{ W}$. You can get more or less out using the drive level control, but efficiency and harmonic content will be compromised. (Some of us are cursed with access to spectrum analyzers and have seen the naked truth!)

Of course, you can use a transformer to step up the collector impedance from 25 to 50 ohms (etc.) and get more power output, but there will probably be even more variation from band to band. I don't recommend it. (The Sierra is **purposefully** a 2-watt rig. For backpacking, this is the best compromise between communications efficiency and battery weight.)

Wayne

From qrp-1@lehigh.edu Thu Oct 26 14:42:00 1995
From: burdick@interval.com (Wayne Burdick)
Subject: [4753] Re: adjustable-bandwidth xtal filter (ABX)
Message-ID: <v0213051dacb4657f9fd9@[199.170.106.28]>

>Wayne, by "new Sierra" you mean all those shipped at any time in the future?

Yes, all Wilderness Radio Sierras, including all that have been pre-paid.

W

From qrp-1@lehigh.edu Thu Oct 26 14:42:00 1995
From: "John F. Woods" <jfw@jfwhome.funhouse.com>
Subject: [4754] Re: adjustable-bandwidth xtal filter (ABX)
Message-ID: <199510252139.RAA14305@jfwhome.funhouse.com>

Wayne answers:

> >2) How's the S-meter circuitry hanging in (or not hanging in)?

> It will either be included on the main board or will be located on a very
> small plug-in module.

I am suddenly struck by the idea of a modified KC1 which samples the audio and periodically sends "S5" (or whatever) at an earsplitting level. ;-)

72, John, WB7EEL/1

From qrp-1@lehigh.edu Thu Oct 26 14:42:00 1995
From: cebik@UTKVBX.UTCC.UTK.EDU
Subject: [4765] Re: Bug Phew!
Message-ID: <Pine.PMDF.3.91.951026065413.543299122B-1000000@utkvx.utk.edu>

At the extreme, throw away all the keys and keyers and get a keyboard. That way, all the misformed characters are gone--only misspelling remains to irk other CW operators.

On the other hand, the more "primitive" the code making device, the more personal the output. Straight keys have the most "personality," bugs next (although they limit you to a range of buggish lilts), and keyers are next.

Each has its place. For general conversation, I like to hear maximum personality within the limits of the operator trying to send code as perfectly as possible with a hand key through keyer. If you have arthritis or similar, then make it as easy as possible on yourself. In a contest, a keyboard with memory or a self-logging computer with memory for CWs, QRZs, and exchanges is the least taxing. Not everyone wants to put the dividing lines where I put them--and that's fine--it adds to CW's personality.

However, there can never be an excuse for an operator not TRYING to send code as perfectly as possible. Someone who intentionally overweights his/her keyer or tries to sound buggish because it sounds "neat" or even misuses a keyboard is out of bounds in my book. Someone who tries and has not mastered the CW making device deserves my patience, especially when I think of what the ops who worked me way back when put up with from my key.

That's 2 centavos from TN: a bunch more will get a cup of cafe in Mexico City.

-73-
LB, W4RNL

From qrp-1@lehigh.edu Thu Oct 26 14:42:00 1995
From: rgobrick@public.compusult.nf.ca (Robert J. Gobrick)
Subject: [4766] Re: Bug Phew!
Message-ID: <199510261152.JAA17949@public.compusult.nf.ca>

QRP-L gang,

LB brings up a good point. I have to admit that I don't enjoy communicating with an operator who uses a bug but maybe what I should have said is that I don't enjoy listening to an operator who uses a bug poorly. I've only used a bug a few times (and for that matter have only used a hand key a few times) and I sort of trained myself to use a keyer all the way back to the days of the big ole Heath Keyer with the big paddles. One thing that a bug doesn't do well (IMHO) is allow for speed changes easily like with a keyer (just turn the speed knob). If you try to send slower from where a bug is set what you here is Dahhhhh ditditditdit(dit) now is that the the number 6 or 05?

Personality - yes I have to admit I've come accustomed to listening to somewhat sterile keyer generated code (although it is possible to add a little "character" to even that). I usually pick up the personality of the station by his call (obvious) and sometimes by his signal (chirp etc) (maybe we need to add some echo or reverberation to our cw signal to make us unique). The thing is I've attuned myself to comprehending keyer (machine) generated code the best and when something strange comes along (like an operator using a hand key or bug poorly) I find it a novelty but not pleasant - it doesn't mean I don't try to carry on a QSO (I just arrogantly sign off after the WX report :^) Am I getting to "fixed" in my ways? Maybe I need to have a change of life experience and start learning how to copy Baudot in my head like Chuck does?

Anyway LB thanks for the comments - it is food for thought.. Geez I'm getting hungry...

73/72 Bob V01DRB/WA6ERB

>On the other hand, the more "primitive" the code making device, the more
>personal the output. Straight keys have the most "personality," bugs
>next (although they limit you to a range of buggish lilts), and keyers
>are next.

>

>Each has its place. For general conversation, I like to hear maximum
>personality within the limits of the operator trying to send code as
>perfectly as possible with a hand key through keyer. If you have

>arthritis or similar, then make it as easy as possible on yourself. In a
>contest, a keyboard with memory or a self-logging computer with memory
>for CWs, QRZs, and exchanges is the least taxing. Not everyone wants to
>put the dividing lines where I put them--and that's fine--it adds to CW's
>personality.

>

>However, there can never be an excuse for an operator not TRYING to send
>code as perfectly as possible. Someone who intentionally overweights
>his/her keyer or tries to sound buggish because it sounds "neat" or even
>misuses a keyboard is out of bounds in my book. Someone who tries and
>has not mastered the CW making device deserves my patience, especially
>when I think of what the ops who worked me way back when put up with from
>my key.

>

>That's 2 centavos from TN: a bunch more will get a cup of cafe in Mexico
>City.

>

>-73-

>LB, W4RNL

Bob Gobrick	VO1DRB/WA6ERB/VE2DRB	Newfoundland, Canada
QRPer Galore -	QRP ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP	
Internet:	bgobrick@terra.nl.net.nf.ca	
	rgobrick@public.compuserve.nf.ca	
Compuserve:	70466.1405@compuserve.com	

From qrp-1@lehigh.edu Thu Oct 26 14:42:00 1995

From: "John F. Woods" <jfw@jfwhome.funhouse.com>

Subject: [4768] Re: Bug Phew!

Message-ID: <199510261207.IAA23628@jfwhome.funhouse.com>

> At the extreme, throw away all the keys and keyers and get a keyboard.
> That way, all the misformed characters are gone--only misspelling remains
> to irk other CW operators.
> On the other hand, the more "primitive" the code making device, the more
> personal the output. Straight keys have the most "personality," bugs
> next (although they limit you to a range of buggish liltts), and keyers
> are next.

A straight key makes it a snap to change speeds or weighting to overcome
QRM. (Sure, you can twiddle the knobs on a keyer, but with a straight key,
you only need one hand to adjust while sending.)

I try to send as cleanly as I can, but there are still elements of "personality" that creep in; speed changes can emphasize (in addition to being useful for noise), and for some reason I've always been in the habit of stretching out the dashes in SK at the end of a QSO. And most important of all, you just can't get a properly musical rhythm to "shave and a haircut" with Morse keying rules ;-).

72, John, WB7EEL

From qrp-1@lehigh.edu Thu Oct 26 14:42:00 1995
From: Pat Taber <ptaber@logiccraft.com>
Subject: [4770] Re: Bug Phew!
Message-ID: <199510261302.JAA39278@nss2.CC.Lehigh.EDU>

>On the other hand, the more "primitive" the code making device, the more
>personal the output. Straight keys have the most "personality," bugs
>next (although they limit you to a range of buggish lilts), and keyers
>are next.

So, the ultimate in personality should be scratching a bare wire against the case of the radio, huh? ;-)

It may be that if you can copy code well, then code from a bug is "personality" rather than "annoyance." I say "it may be" because I can't copy that well and hearing a bug on the air makes my skin crawl. In the hands of an old pro I'm sure they sound great, but old pros are few and far between these days. And it's real hard to copy DAAAH-d-DAAAAAAH DAAH-d-DAH-dit DAAAAAAAH-d-d-d-dit etc. It's the mix of human sending of one code element and mechanical sending of the other that makes it so difficult.

I've found that there's not a bug around that comes out of the box with enough weight on the arm, so I finally sprang for a set of gen-u-ine chrome-plated, Vibroplex arm weights so I can set the DITs slow enough to match my DAH rate. I would recommend them to anyone trying to learn to use a bug.

Straight keys aren't annoying since most people who send slow DAHs send slow DITs as well, so things stay in scale a little better (except, it always seems, for 5's, 6's and H's.) And, of course the keyer always gets the scale right and op can only mess up the spacing. (Which I do...)

All that said, I have to admit to the attraction bugs have because they're so neat/gimmicky/geeky. I own four of them. I use one in the privacy of my own shack and keep promising myself that sometime I'll get it on the air.

Sorry LB, you haven't gotten the big picture yet!! Misspelling is really someone's form of abbreviations. :-)

dit dit

--

Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From qrp-1@lehigh.edu Thu Oct 26 14:42:00 1995
From: V\$BCIESLAK@china.qgraph.com
Subject: [4741] Re:INTF and Bug Phew
Message-ID: <01HWUWZZHL8I00PI8A@hub.qgraph.com>

Don't throw it away, Sell it and buy a KC1. :-)

I had one a Vibroplex Bug for a few years and got so frustrated using it that I sold it...AND I got more than I paid for it...aparently they grow in value like savings bonds.

73,
Brian AE9K

From qrp-1@lehigh.edu Thu Oct 26 14:42:00 1995
From: rgobrick@public.compusult.nf.ca (Robert J. Gobrick)
Subject: [4745] Re: INTF and Bug Phew!
Message-ID: <199510251905.QAA05198@public.compusult.nf.ca>

Nick,

I'm unbiased - throw the "bug" away and go electronic with the keyer. I hate copying an operator with a "bug" fist.

OK let's see if that stirs up the masses - about time we had a new thread here...

Caio Bob V01DRB/WA6ERB

>Sorry for the weird subject...but I'm a weird guy.

>

>I never heard the Fox on Monday nite. I did hear Steve AB4EL work the =
>fox (I think it was the fox). Sigs were really in the mud here on Long =
>Island and have been for several evenings. I'll try again tonight when =

Subject: [4751] Re: NA5N Fox rpt (revised)
Message-ID: <Pine.OSF.3.91.951025165155.10513A-1000000@saturn.acs.oakland.edu>

On Wed, 25 Oct 1995, Paul Harden wrote:

> Here is the official FOX report from Oct. 23, REVISED as follows:

>

> 7110 KHz (0000-0120 UTC) 7045 KHz (0120-0200 UTC)

> -----

> WO0Q MARTY CO AB6DG JOHN CA

> WA6MOK JAY CO AA0XZ GREG MO

<SNIP!>

Not to sound picky ('cause I did not work the fox Monday) but would the FOX please post the TIME and the sent/rcv RST??? If I recall, by gentleman's agreement, it's not a QSO unless a report is successfully exchanged.

It also helps us study the effects of propagation!!! Which I had none of Monday :-)

73! =paul= wb8zjl

From qrp-1@lehigh.edu Thu Oct 26 14:42:00 1995
From: Phil Wheeler <pcw@netcom.com>
Subject: [4750] Re: new Sierra adds adjustable-bandwidth xtal filter
Message-ID: <Pine.3.89.9510251349.A19452-01000000@netcom2>

Wayne, by "new Sierra" you mean the ones to be shipped in December, all those shipped at any time in the future, or what??

Phil

pcw@netcom.com

From qrp-1@lehigh.edu Thu Oct 26 14:42:00 1995
From: "S. Miller" <smiller@motown.ge.com>
Subject: [4769] Re: new Sierra-What is the current cost
Message-ID: <199510261248.IAA06871@bear.MOTOWN.GE.COM>

I have been reading the traffic on the new Sierra but missed the asking price as delivered from Wilderness Radio. Are the radios not due out until next year? would appreciate the info and to save Bw you could go direct to me.

thanks

Steve Kd2Ed

From qrp-1@lehigh.edu Thu Oct 26 14:42:00 1995

From: hansen@ait.fredonia.edu (John A. Hansen)

Subject: [4736] Re: QRP Satellite Comm?

Message-ID: <199510251433.KAA27648@nss2.CC.Lehigh.EDU>

At 08:36 PM 10/24/95 -0400, Adam O'Donnell wrote:

>I am posting this message to both the Amsat list and the QRP list, since
>people on either list may have info for me.

>

>Has anyone ever worked the birds on with low power? I mean, like 10w
>output on SSB and 5w on CW? It may be the best way to keep aging sats
>like AO-10 still functioning.

>

>Has anyone worked the satellites with totally homebrewed equipment? And
>low power? Those people who have done that should be commended...

>

>l8r fer now

>

>--

>Adam O'Donnell, N3RCS

>Amsat: N3RCS@AMSAT.ORG

>Internet: ADAM@LIBERTYNET.ORG

>

>"I want to know how God created this world. I am not interested in this or
>that phenomenon. I want to know His thoughts, the rest are details."

>

> -- Albert Einstein

>

I have accessed oscar 13 with as little as 1 watt on CW. I was using KLM antennas though and the satellite had a small squint angle.

The first contact I made on AO-10 many years ago was with a gentleman in Brazil who was using entirely homebrew equipment. I was IMPRESSED. He had a good signal too. I think, however, that that was the last person I ran into who was doing that.

John Hansen
WA0PTV

From qrp-1@lehigh.edu Thu Oct 26 14:42:00 1995
From: Steve Greene <sgreene@12513.digex.slip.net>
Subject: [4740] Re: QRP Satellite Comm?
Message-ID: <Pine.LNX.3.91.951025113226.1062A-100000@dcc12513.slip.digex.net>

On Tue, 24 Oct 1995, Adam O'Donnell wrote:

> Has anyone ever worked the birds on with low power? I mean, like 10w
> output on SSB and 5w on CW? It may be the best way to keep aging sats
> like AO-10 still functioning.

Sure - every FD, I run a QRP/battery satellite operation. We're not a "big gun" by any means, but we do make 30-40 QSOs. Best success is on AO-13 and AO-10 CW. I've found that tight receive filters (like the OHR SCAF) really help. High gain antennas, a good preamp, and paying attention to minimizing feedline losses are essential. The key is maximizing ERP on the uplink and having a good (ZRO 6 or better, IMHO) downlink.

I've noticed that if an "alligator" comes up running too much uplink power, they'll raise the AGC floor of the satellite, which eventually drops the low power guys into the noise.

QRP on the low orbiters is very feasible - 5W CW or SSB into RS10 or 12 is quite doable.

QRP into AO-27 is problematic. The satellite receiver can pick up an HT full-quieting, but as an FM link, the strongest station always grabs (or clobbers) the channel.

Have fun!

72 & 73
Steve Greene
sgreene@access.digex.net / ka1lm@amsat.org

From qrp-1@lehigh.edu Thu Oct 26 14:42:00 1995

From: Clifford Buttschardt <cbuttsch@slonet.org>
Subject: [4748] Re: QRP Satellite Comm?
Message-ID: <Pine.OSF.3.91.951025133817.524C-1000000@biggulp.callamer.com>

Adam, many of us have worked the sats with totally homebrew gear and very proud of the fact. Most newcomers in the European sector are limited in power to the ten watt range as well. I had no more than ten watts on CW for many years on A010 and accomplished what I consider as much performance as any 150 watt "brick" station on SSB. Great Fun-Cliff W6HDO

On Tue, 24 Oct 1995, Adam O'Donnell wrote:

> I am posting this message to both the Amsat list and the QRP list, since
> people on either list may have info for me.
>
> Has anyone ever worked the birds on with low power? I mean, like 10w
> output on SSB and 5w on CW? It may be the best way to keep aging sats
> like A0-10 still functioning.
>
> Has anyone worked the satellites with totally homebrewed equipment? And
> low power? Those people who have done that should be commended...
>
> l8r fer now
>
> --
> Adam O'Donnell, N3RCS
> Amsat: N3RCS@AMSAT.ORG
> Internet: ADAM@LIBERTYNET.ORG
>
> "I want to know how God created this world. I am not interested in this or
> that phenomenon. I want to know His thoughts, the rest are details."
>
> -- Albert Einstein
>
>
>

From qrp-l@lehigh.edu Thu Oct 26 14:42:00 1995
From: "Ramon Santoyo V." <ramsan@mail.internet.com.mx>
Subject: [4762] Re: QRP Satellite Comm?
Message-ID: <199510260137.TAA27446@mail.internet.com.mx>

On Tue, 24 Oct 1995, Adam O'Donnell wrote:

> I am posting this message to both the Amsat list and the QRP list, since

> people on either list may have info for me.
>
> Has anyone ever worked the birds on with low power? I mean, like 10w
> output on SSB and 5w on CW? It may be the best way to keep aging sats
> like AO-10 still functioning.
>
> Has anyone worked the satellites with totally homebrewed equipment? And
> low power? Those people who have done that should be commended...

I had an RS-10/11 QSO with N8LGP, he was QRP using solar power both to
transmit and to receive.

73 de XE1KK

```
=====
Ramon Santoyo V.      Email:  ramsan@mail.internet.com.mx
P.O. Box 19-564       Voice:  (525) 528-4293
03901 Mexico, D.F.   Fax:    (525) 528-0281
M E X I C O          Ham:    XE1KK, QRV: Satellite, VHF & HF
=====
```

From qrp-1@lehigh.edu Thu Oct 26 14:42:00 1995
From: RUSSELL SINCLAIR <tde000@ozemail.com.au>
Subject: [4763] Re: QRP Satellite Comm?
Message-ID: <Pine.BSD/.3.91.951026140007.23075A-100000@shell02.ozemail.com.au>

On Tue, 24 Oct 1995, Adam O'Donnell wrote:

> I am posting this message to both the Amsat list and the QRP list, since
> people on either list may have info for me.
>
> Has anyone ever worked the birds on with low power? I mean, like 10w
> output on SSB and 5w on CW? It may be the best way to keep aging sats
> like AO-10 still functioning.
>
> Has anyone worked the satellites with totally homebrewed equipment? And
> low power? Those people who have done that should be commended...
>
> 18r fer now
>
> --
> Adam O'Donnell, N3RCS
> Amsat: N3RCS@AMSAT.ORG
> Internet: ADAM@LIBERTYNET.ORG

>
> "I want to know how God created this world. I am not interested in this or
> that phenomenon. I want to know His thoughts, the rest are details."
>
> -- Albert Einstein
>
>

From qrp-1@lehigh.edu Thu Oct 26 14:42:00 1995
From: houde@ix.netcom.com (The Ranch)
Subject: [4755] Re: QRPP ND/WV
Message-ID: <199510252138.0AA14476@ix9.ix.netcom.com>

Hi Folks,

>From a previous posting:

> The NorCal newsletter, QRPP, is mailed to 48 states and 30
> countries. Doug will give a free one year subscription to the
> FIRST person in each of the two states ND and WV
> on this list (subscriber to qrp-1, not just anyone that sees
> this after it has been sanitized and packetized over the air)
> who emails to him that they want it.

I sent an e-mail to Doug Hendricks today, and he replied that I'm the winner for WV! He also asked me to post this message to qrp-1, to let everyone know that WV is gone.

At this moment, I guess that ND is still up for grabs. Doug can be reached at dh@deneb.csustan.edu.

Dave, N8XBP
Harpers Ferry, WV

From qrp-1@lehigh.edu Thu Oct 26 14:42:00 1995
From: Myron China <chim@gwl.com>
Subject: [4737] Re: Solar car-battery charger?
Message-ID: <199510251446.AA02088@gp-sparc56.gwl.com>

i also picked up my innova battery pack at target. however, it was on the end of the aisle with the rest of the "clearance" stuff. if i remember right i think i paid \$18 for it. the box had been opened but everything was there

and it works fine. it can pay off to browse the clearance sections in the target stores now and then, especially in the automotive, hardware and electronics sections. last year they had several of those 12v solar car battery chargers on clearance but i didn't need one back then :(.

73,
myron

Myron China (KB0LMQ) chim@gwl.com
ISIS Oracle Database Administrator Ph:(303)689-3981
Great-West Life Assurance Co. Fax:(303)689-4850
Englewood, CO

From qrp-1@lehigh.edu Thu Oct 26 14:42:00 1995
From: rgobrick@public.compusult.nf.ca (Robert J. Gobrick)
Subject: [4744] Re: Solar car-battery charger?
Message-ID: <199510251901.QAA05102@public.compusult.nf.ca>

Bill,

I bought one of these Innova units a while back and I can tell you the price of \$29.95 is a good one (they used to be more like \$50). They make for a nice standby power supply albeit a little fancier than your standard Yasuu (sic) naked battery.

I'd be curious what the going rate of their accessory solar charger is - when I got literature from Innova it was outrageously expensive - (\$100 for small wattage panel). the accessories were in general out of site - although I did spring for a little velcro like holder that attaches to the side to "mount" your handheld. It's best to pick up what accessories like wall charger from Target.

Up here in Canada - the local Canadian Tire department store has a similar portable battery the has one nice extra and that is a built in emergency light - which comes in handy as and 'expensive" flashlight. Our local Ham Radio Club is making a "volume" but and we're paying I think \$29 Canadian).

And finally to complete this QRP thread I "moded" by Innova unit with a pair of black and red Radio Shack binding posts so I didn't have to continually carry around a cigarette lighter adapter for hooking up my QRP rigs, etc. Fun taking the unit apart - everything falls out - hi. Anyway the charger is a simple circuit and the Innova battery is a pretty decent size unit (6.5 amps hours).

Have fun and get ready for those winter electricity black-outs - Be Prepared

- Be a QPRer...

73/72 Bob V01DRB/WA6ERB

>>

>

>Gee, just this afternoon I picked up a "DC Power Pack" (a 12V 6.5AH
>gelcell in a nice self-contained package with an integral "smart"
>charger and the inevitable "cigarette lighter" power connector) from
>Target for \$29.95. One of the available accessories from the company is
>a solar recharger for the unit, price unspecified and not stocked at
>Target. However, as an incentive for sending in the registration card,
>the company (Innova Electronics) offers a "lifetime" 20% discount. I
>usually register things anyway, but I'll register this puppy for sure!
>The solar panel described on the box sounds something like the unit that
>kicked off this thread. More details when I get them.

>

>BTW, not all Target stores carry the same power pack unit! The
>particular unit I got is made by Innova Electronics of Fountain Valley,
>CA and is labeled "Made in USA." Another Target store carried something
>called an "MVP Electronics" unit which, though physically smaller, only
>has a 4.5 AH capacity and is made in China. Looked pretty poorly made
>even from the outside. This smaller unit sells for the same \$29.95
>as the Innova unit. Both units come with a cord made to be plugged into
>the cigarette lighter of your car for charging while you drive.
>However, the Target stores stocking the Innova unit also stocked an AC
>wall powered charger (for another \$14.99) that is itself a 1000 mA 12V
>unregulated supply. The stores with the MVP-brand unit did NOT carry
>any equivalent charger although the info on the box stated one was
>"available."

>

>QRP portable, here I come!

>--

>Bill Meahan WA8TZG wmeahan@wa8tzg.mi.org
>Member: ARRL, RACES, IMRA, NorCal QRP (#407), G-QRP (#8468), MI-QRP (#M1458)
>Hey, this is my OWN computer! I can say what I want!
> cat: a purr bearing mammal

>

>

>

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-----
| Bob Gobrick V01DRB/WA6ERB/VE2DRB Newfoundland, Canada |
| QRP'er Galore - QRP ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |
| Internet:      bgobrick@terra.nlnet.nf.ca |
|               rgobrick@public.compuserve.nf.ca |
| Compuserve:   70466.1405@compuserve.com |
|-----
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From qrp-1@lehigh.edu Thu Oct 26 14:42:00 1995
From: hysell@kodak.com (John D. Hysell)
Subject: [4749] Re: Ten-Tec 6m transverter
Message-ID: <9510251651.AA02177@runner.itc.Kodak.COM>

I have had one for nearly a year now. -Very nice kit to assemble. Mine went together first time with no problems ; easy to tune ; lots of space to solder ; simple coil to wind ; very nice case included. I have used it in several contests now, and find it works well even with just a rotating dipole (gotta get a 3el beam).

I had one minor problem (all my own fault) when I forgot to drop the RF input to 5 watts once - I blew out the T/R diodes. Fortunately, they saved the rest of the circuit, and were simple to replace.

All in all, I like it very much, and consider it a value at \$95. If lightning took it today, I would order another tonight...

Got the Cascade on the air this weekend. Got very nice signal reports back on 20m despite fairly noisy conditions. I am going to pop it into my truck this week, and try it mobile. I enjoyed reading about others putting the KC1 in the CASCADE. I may try that as well, but would REALLY jump on the idea if a mod becomes available to add CW to the radio...

73 -de KF2XC
John